

ABSTRACT OF THE DISCLOSURE

A method for reducing the number of operations performed on a recording disk during Mt. Rainier defect processing is disclosed. According to this method, data is written from a host to a recording disk. If there are defects in the section where data is to be written, a replacement block for the currently-processed defective block is searched for. If there is previous replaced data currently stored in the replacement packet buffer (RPB), and if the packet in the RPB is the same as the packet for the replacement block, then the method only copies the data in the currently-processed defective block into the corresponding replacement block in the RPB without any reading operations. In addition, after completion of the read and copy operations, no immediate write to the recording disk is performed, thereby saving time.